

**AMENDMENTS TO THE ABSTRACT:**

Please amend the Abstract as follows:

An apparatus for frequency content separating an input signal is disclosed. ~~The,~~  
~~said~~ apparatus ~~comprising~~comprises a plurality of frequency splitting stages, each stage  
including one or more up-converter and down-converter pairs. ~~An,~~ an up-converter and  
down-converter pair ~~serving~~serves (i) to receive a complex input signal representing an  
input bandwidth and (ii) to output a first complex output signal representing an upper  
portion of ~~said~~the input bandwidth and a second complex output signal representing a  
lower portion of ~~said~~the input bandwidth; ~~said~~The first upper portion and ~~said~~the second  
lower portion being contiguous and together representing ~~said~~the input bandwidth  
portion.